# Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

# **Sutter Maintenance Yard East Levee Sutter Bypass**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sutter Bypass Levee	Left	21.68	09/23/2016 09/30/2016	Tariq Chechi

LM Start		Rating **	Α	Issue No.	4			
LM End		Issue Type +	Ма	Location *	N/A			
Category Earthen Levee			GPS Latitude/Longitude					
Category				Start		End		
Item	s & Maintenaı		0		0			
item				0		0		
DWR ID DWR_ST0002_01_s _ 2013_4								
		Comn	nent Cod	de				
		Inspecto	or Comm	nent				
The LMA h	nas the O&	M manuals.						

No Photos

LM Start		Rating **	Α	Issue No.		5	
LM End		Issue Type +	Ma	Location *		N/A	
Category	Earthen L	evee		GPS La	atitud	le/Longitude	
Calegory	Category					End	
Item		y Supplies &			0		0
пеш	Equipmen	nt			0		0
DWR ID	DWR_ST0	002_01_s _ 201	3_5				
		Comn	nent Cod	de			
		Inspecto	or Comm	nent			
The LMA h	nas flood fi	ght supplies a	and equip	oment.			

No Photos

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence
En : Enforcement

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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sutter Bypass Levee	Left	21.68	09/23/2016 09/30/2016	Tariq Chechi

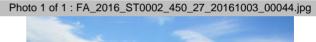
LM Start		Rating **	Α	Issue No.		6		
LM End		Issue Type +	Ма	Location *		N/A		
Category Earthen Levee				GPS La	atitud	le/Longitude		
Calegory			Start		End			
Item	Flood Pre	paredness &	Training		0		0	
item		0					0	
DWR ID	DWR_ST00	002_01_s _ 201	3_6					
		Comn	nent Cod	le				
		Inspecto	or Comm	ent				
The LMA h	nas comple	eted flood fligh	nt training	g.				

No Photos

LM Start	0.01	Rating **	М	Issue No.		27
LM End	0.33	Issue Type +	Ма	Location *	LS	
Cotogony	Earthen L	evee		GPS La	titud	e/Longitude
Calegory	Category					End
Item	Vegetatio	n		39.1511	17°	39.147405°
пеш				-121.8319	53°	-121.828543°
DWR ID DWR_ST0002_01_f _ 2016_27						
		Comn	nent Cod	de		

V1 : Control annual grass and weeds on the levee slopes and easements.

#### Inspector Comment





View of the annual grass blocking visibility.

LM Start	3.54	Rating **	М	Issue No.		30
LM End	3.54	Issue Type +	Ma	Location *	LS	
Category	Earthen Levee			GPS La	GPS Latitude/Longitude	
Category		Start		End		
Item	Animal Co	ontrol		39.1204	17°	39.120417°
пеш			-121.7798	63°	-121.779863°	
DWR ID	ID DWR_ST0002_01_f _ 2015_30					

#### Comment Code

A3: No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.

#### Inspector Comment



View of the rodent holes along the landside slope.

* Location	** Rating		+ Issue Type
LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sutter Bypass Levee	Left	21.68	09/23/2016 09/30/2016	Tariq Chechi

LM Start	4.14	Rating **	С	Issue No.		28		
LM End	4.14	Issue Type +	Ma	Location *		WS		
Category	evee		GPS La	atitud	le/Longitude			
Calegory				Start		End		
Item	Slope Sta	bility		39.1152	32°	39.115232°		
пеш				-121.7709	63°	-121.770963°		
DWR ID	DWR_ST0	002_01_s _ 201	6_28					
		Comn	nent Cod	de				
S3 : Repai access wh		slope damag le.	ed by ve	ehicle traffic	and	l prevent		
		Inspecto	or Comm	nent				
Vehicle trafic on slope has deep ruts and ponding of water.								

No Photos

LM Start	5.20	Rating **	С	Issue No.		25							
LM End	5.20	Issue Type +	Ma	Location *		WS							
Category Earthen Levee				GPS Latitude/Longitude									
Category				Start		End							
Item	Slope Stability			39.1033	13°	39.103313°							
item				-121.7588	13°	-121.758813°							
DWR ID DWR_ST0002_01_s _ 2015_25													
	Comment Code												
1													

S3: Repair the levee slope damaged by vehicle traffic and prevent access where possible.

Inspector Comment

Repair the vehicle erosion along the waterside slope.

No Photos

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

# **Sutter Maintenance Yard East Levee Sutter Bypass**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sutter Bypass Levee	Left	21.68	09/23/2016 09/30/2016	Tariq Chechi

LM Start	6.60	Rating **	С	Issue No.		31		
LM End	6.60	Issue Type +	Ma	Location *	WS			
Earthen Levee				GPS La	atitud	e/Longitude		
Category				Start		End		
Item	Trim / Thi		39.0842	36°	39.084236°			
пеш		-121.749914 ° -121.7499						
DWR ID	DWR ID DWR_ST0002_01_s _ 2016_31							
		Comn	nent Cod	de				
T3 : Trim a flood fight.		es to allow vis	sibility of	the ground	land	froom to		
		Inspecto	or Comm	nent				
Fallen dead tree on waterside levee slope.								

No Photos

LM Start	7.83	Rating **	A/W	Issue No.	34			
LM End	7.83	Issue Type +	Ма	Location *	WS			
Catagoni Earthen Levee			GPS La	atitud	le/Longitude			
Category				Start		End		
Erosion / Bank Caving			39.067299°		39.067299°			
Item				-121.742851 °		-121.742851 °		
DWR ID	DWR_ST0	002_01_f _ 2016	_ 2016_34					
		Comn	nent Cod	de				
E1 : Note	and monito	or erosion site						
		Inspecto	or Comm	nent				

2299 ° 1851 °

Photo 1 of 1 : FA\_2016\_ST0002\_450\_34\_20161003\_00047.jpg



View of the erosion along the waterside toe.

1.04.04	0.00	Rating **	A/W	Issue No.		25		
LM Start	8.80	Rating	A/VV	issue ivo.		35		
LM End	8.80	Issue Type +	Ma	Location *		WS		
Category Earthen Levee				GPS La	atitud	e/Longitude		
Odlogory				Start		End		
Item	Erosion / Bank Caving			39.0538	38°	39.053838°		
пеш			-121.737247° -121.737					
DWR ID	DWR_ST0	002_01_f _ 201	6_35					
		Comn	nent Cod	de				
E1 : Note a	and monito	or erosion site						
	Inspector Comment							



View of the erosion along the waterside toe.

* Location	** Rating		+ Issue Type
LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

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# **Sutter Maintenance Yard East Levee Sutter Bypass**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sutter Bypass Levee	Left	21.68	09/23/2016 09/30/2016	Tariq Chechi

LM Start	9.66	Rating **	С	Issue No.		32	
LM End	9.66	Issue Type +	Ma	Location *	WS		
Category Earthen Levee				GPS La	atitud	e/Longitude	
Category				Start		End	
Item	Trim / Thi	n Trees		39.0420	03 °	39.042003°	
item				-121.732308 ° -121.7323			
DWR ID DWR_ST0002_01_s _ 2016_32							
		Comn	nent Cod	de			
T3 : Trim a flood fight.		es to allow vis	sibility of	the ground	and	I room to	
		Inspecto	or Comm	nent			
Fallen Dea	Fallen Dead Tree on Waterside slope.						

No Photos

Rating \*\* Issue No. LM Start 10.88 Μ Issue Type + Location ' WS LM End 10.91 Ma Supplemental GPS Latitude/Longitude Category Start End 2015 USACE Erosion Survey, 39.024835° 39.024399° Item DRAFT -121.726929 -121.726808 DWR ID DWR\_ST0002\_01\_s \_ 2016\_1 Comment Code

No Photos

Inspector Comment

2011 - Small section of the mid levee slope has eroded from wind wave. 2015: Site is part of the extended inventory, last inspected 2011. [2015] Site ID: SBP\_11-1\_L]

### Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

# **Sutter Maintenance Yard East Levee Sutter Bypass**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sutter Bypass Levee	Left	21.68	09/23/2016 09/30/2016	Tariq Chechi

LM Start	11.50	Rating **	С	Issue No.	36			
LM End	11.50	Issue Type +	Ma	Location *	WS			
Category	Earthen Levee GPS Latitude/Lor				le/Longitude			
Calegory		Sta		Start		End		
Item	Trim / Thi	im / Thin Trees			° 800	39.016206°		
пеш				-121.7242	36°	-121.724236 °		
DWR ID	DWR_ST0	002_01_f _ 2016	5_36					
		Comn	nent Cod	le				
T2 : Thin to	T2: Thin trees to allow visibility of the ground and room to flood fight.							
		Inspecto	or Comm	ent				

No Photos

LM Start	13.34	Rating **	A/W	Issue No.	23	
LM End	13.34	Issue Type +	Ma	Location *		WS
Catagony	Earthen Levee			GPS Latitude/Longitude		
Category				Start		End
Item	Slope Stability			38.9918	57°	38.991857°
item				-121.7115	55 °	-121.711555°
DWR ID DWR_ST0002_01_s _ 2015_23						
Comment Code						

S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.

#### Inspector Comment

Repair the erosion along the waterside slope.

Fallen Dead Tree on Waterside slope.



View of the vehicle erosion along the slope.

Photo 1 of 1: FA\_2016\_ST0002\_450\_37\_20161003\_00050.jpg

LM Start	14.71	Rating **	М	Issue No.	37			
LM End	14.71	Issue Type +	Ма	Location *	WS			
Category	Earthen Levee				GPS Latitude/Longitude			
Category		St				End		
Item	Slope Sta	bility		38.97938	9°	38.979389	0	
пеш				-121.69192	23°	-121.691923	0	
DWR ID DWR_ST0002_01_f _ 2016_37								
	Comment Code							

S3: Repair the levee slope damaged by vehicle traffic and prevent access where possible.

#### Inspector Comment

Repair the vehicle erosion along the waterside slope.



View of the erosion caused by vehicle traffic.

* Location	** Rating		+ Issue Type
LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

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# **Sutter Maintenance Yard East Levee Sutter Bypass**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sutter Bypass Levee	Left	21.68	09/23/2016 09/30/2016	Tariq Chechi

LM Start	14.71	Rating **	М	Issue No.		38	
LM End	14.71	Issue Type +	Ma	Location *	WS		
Category	Earthen L	evee		GPS L	atitud	e/Longitude	
Calegory			Start		End		
Item	Animal Control			38.9793	889°	38.979389°	
item				-121.691923 °		-121.691923°	
DWR ID	DWR_ST0	002_01_f _ 201	6_38				
		Comn	nent Cod	de			
A3 : No roccompact o		le, but rodent rows.	burrows	visible; ne	ed to	backfill and	
Inspector Comment							



View of the rodent holes along the landside slope.

LM Start	17.60	Rating **	М	Issue No.		21		
LM End	17.60	Issue Type +	Ма	Location *		WS		
Category Earthen Levee			GPS La	atitud	e/Longitude			
				Start		End		
Item	Slope Sta	bility		38.9499	65°	38.949965 °		
item				-121.6538	23°	-121.653823°		
DWR ID DWR_ST0002_01_s _ 2015_21								
	Comment Code							

### Comment Code

S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.

### Inspector Comment

Repair the vehicle erosion along the waterside slope.

LM Start	17.60	Rating **	М	Issue No.	21 (cont)
LM End	17.60	Issue Type +	Ма	Location *	WS

#### Photo 1 of 2: FA\_2016\_ST0002\_450\_21\_20160823\_00002.jpg



View of the vehicle erosion along the waterside slope.

Photo 2 of 2: FA\_2016\_ST0002\_450\_21\_20160823\_00003.jpg



View of the vehicle erosion along the waterside slope.

* Location	** Rating		+ Issue Type
LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sutter Bypass Levee	Left	21.68	09/23/2016 09/30/2016	Tariq Chechi

LM Start	19.86	Rating **	U	Issue No.		39		
LM End	19.86	Issue Type +	Ma	Location *		LS		
Earthen Levee			GPS La	atituc	le/Longitude			
Category				Start		End		
Item	Animal Control				'52 °	38.924752°		
пеш		-121.627068 ° -121.62				-121.627068 °		
DWR ID DWR_ST0002_01_f _ 2016_39								
	Comment Code							
A3 : No roccompact o		le, but rodent rows.	burrows	visible; ne	ed to	backfill and		
		Inspecto	or Comm	nent				

LM Start	19.86	Rating **	U	Issue No.	39 (cont)
LM End	19.86	Issue Type +	Ма	Location *	LS



View of a rodent hole with large hammer sitting on top.

Photo 2 of 2: FA\_2016\_ST0002\_450\_39\_20161003\_00054.jpg



Another view of the rodent hole with large hammer hanging in the hole.

Photo 1 of 1: FA\_2016\_ST0002\_450\_29\_20160823\_00008.jpg

LM Start	20.02	Rating **	М	Issue No.	29		
LM End	20.02	Issue Type +	Ma	Location *	WS		
Category	Earthen L	evee		GPS La	atitud	e/Longitude	
Odlogory			Start		End		
Item	Slope Stability			38.9226	678°	38.922678°	
item				-121.625890 °		-121.625890°	
DWR ID DWR_ST0002_01_f _ 2015_29							
		Comn	nent Cod	de			
S3 : Repai access wh		slope damag le.	ed by ve	ehicle traffic	and	I prevent	
		Inspecto	or Comm	nent			



View of the vehicle erosion along the waterside slope.

* Location	** Rating		+ Issue Type
LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sutter Bypass Levee	Left	21.68	09/23/2016 09/30/2016	Tariq Chechi

LM Start	20.18	Rating **	С	Issue No.		33	
LM End	20.18	Issue Type +	Ma	Location *		WS	
Earthen Levee				GPS La	atitud	e/Longitude	
Category			Start		End		
Item	Trim / Thin Trees			38.9204	61 °	38.920461 °	
пеш					93 °	-121.625193°	
DWR ID	DWR_ST00	002_01_s _ 201	6_33				
		Comn	nent Cod	de			
T3 : Trim a flood fight.		es to allow vis	sibility of	the ground	l and	I room to	
		Inspecto	or Comm	nent			
Fallen dead tree on waterside slope.							

No Photos

LM Start	20.43	Rating **	М	Issue No.		40			
LM End	20.43	Issue Type +	Ma	Location *	LS				
Category	Earthen L	evee		GPS La	atitud	e/Longitude			
Calegory			Start		End				
Item	Animal Co	38.9169	65°	38.916965 °					
item				-121.624048 °		-121.624048°			
DWR ID	DWR_ST0	002_01_f _ 201	6_40						
		Comn	nent Cod	de					
A1 : Exterr	minate rod	ents and back	fill and o	compact or	grou	t burrows.			
	Inspector Comment								



View of the rodent holes along the landside slope.